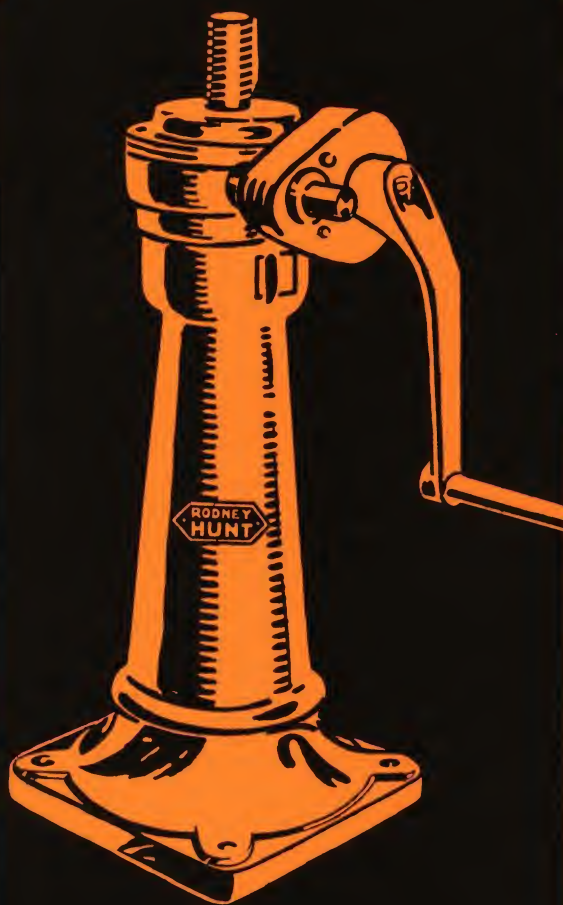


RODNEY HUNT

WATER CONTROLLING APPARATUS

• • •
SLUICE GATES
FLOOR STANDS
GATE HOISTS
HAND, ELECTRIC, HYDRAULIC
SHEAR GATES
FLAP VALVES
MUD VALVES
BUTTERFLY VALVES
• • •



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THE COMPANY AND ITS SERVICES

The "RODNEY HUNT" MACHINE COMPANY, with an experience of over half a century in the manufacture and installation of water power and water control apparatus, is eminently fitted to furnish practical apparatus of superior quality. Besides possessing the advantage of experience, a forward-looking management aims to keep abreast of all the new developments and to cater to the new problems of the trade.

The concern is located in Orange, Massachusetts, on the Mohawk Trail, eighty miles west of Boston. The railroad facilities are of the best, the company having its own sidings served by the Fitchburg Division of the Boston and Maine Railroad, and is thus on the trunk line to the West. The physical equipment of the company, both of buildings and of machinery, is up-to-date and able to cope with any manufacturing problem within its compass. Power is supplied by its own hydro-electric plant.

• PRODUCTS •

The apparatus as manufactured by the "Rodney Hunt" Company comprise an extensive line of Floor Stands, Gate Valves, Sluice Gates, Turbine and Water Wheels, Mud Valves, Shear Gates, Flap Valves and Accessories. These are described and illustrated pictorially and diagrammatically along with complete tabulations of sizes and capacities, for aiding engineers, designers and customers in the construction of layouts and selection of equipment for their needs.

• ENGINEERING SERVICE •

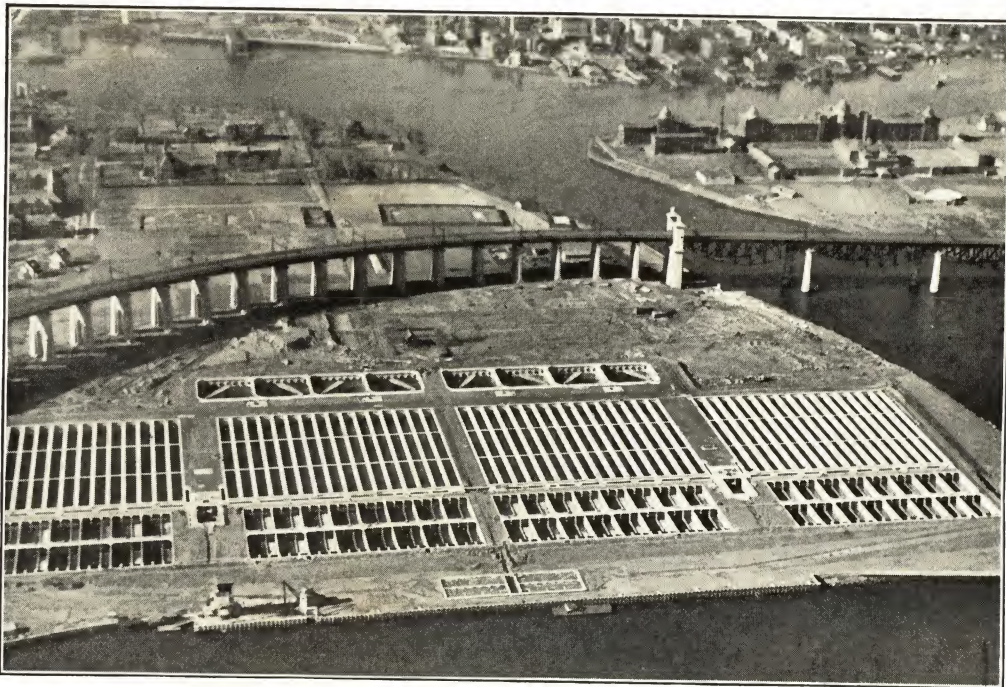
Our competent staff of engineers is at the service of our customers and is in a position to make valuable suggestions regarding the installation of our equipment for both usual and unusual conditions. While this Catalogue is designed to be reasonably complete, it can never answer all questions that may arise and here the engineering department stands ready to furnish additional information.

• GUARANTY •

The "RODNEY HUNT" MACHINE COMPANY is in a position to guarantee all "Rodney Hunt" apparatus to perform the duty for which it is recommended. Any parts which may develop inherent defects under normal and proper use within one year after shipment will be replaced F.O.B. our factory at our expense, provided that purchaser gives immediate notice and such breakage shows unmistakable evidence of faulty material or workmanship. However, we shall not be held responsible for any loss, damage or delays resulting from strikes, lock-outs or other causes beyond our control, or on account of defects as above specified.

• PRICES •

Prices of apparatus will be sent upon request. In addition, we solicit the opportunity of quoting prices for any special Water Control Apparatus not shown in this Catalogue that may be desired.



Ward's Island Sewage Treatment Works, Department of Filtration, City of New York

342 Rodney Hunt Sluice Gates used in this plant

N. Y. Airview Service,
Flushing Airport, N. Y.

RODNEY HUNT MACHINE CO.

ORANGE, MASS., U. S. A.

Copyright 1933, Rodney Hunt Machine Co.

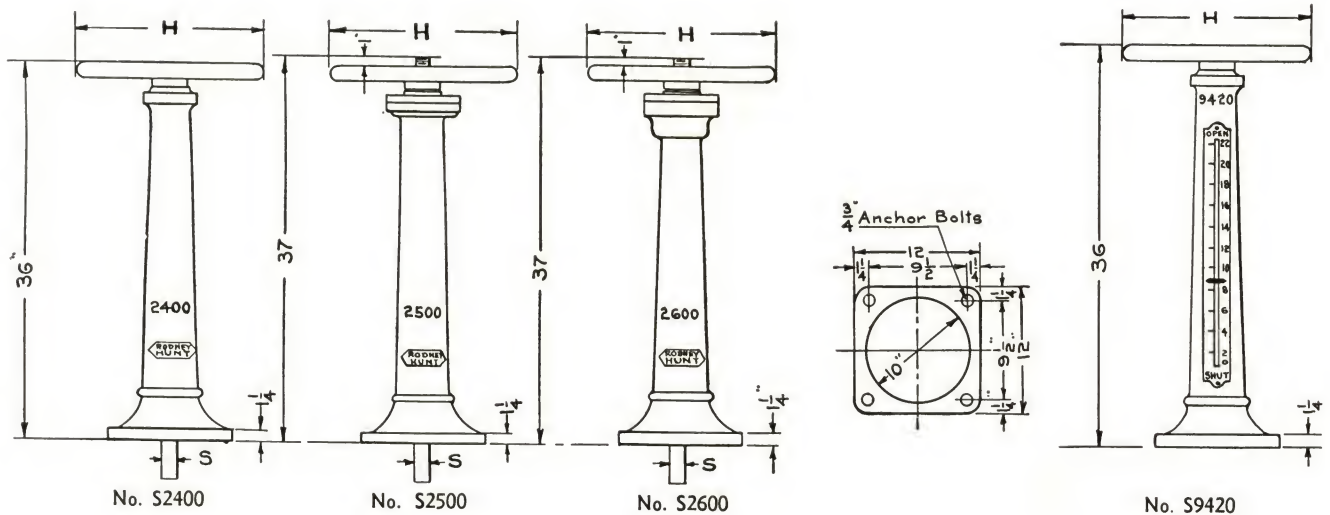
"TRI-SEAL" HANDWHEEL FLOOR STANDS

The stand type of hoist for operating gates and valves has many distinct advantages, and is replacing the old type or rack and pinion hoist, on account of its compactness and better appearance. They are extremely compact; easy operating, self-locking at any position of gate opening; pleasing in appearance, and can be varied in design to operate either rising or non-rising stems.

The "Rodney Hunt" Stand is extremely rugged, with a single, well proportioned pedestal casting. The bronze lifting nut is carefully machined, and the thrust bearings are of ball type. The sturdy, heavy base insures an accurate, rigid guide and support for both stem and hand wheel.

Drs. S2400, S2500, S2600 and S9400 Series of Medium Duty Floor Stands, are for use wherever the gate in its open position is below the level of the pedestal base.

No. S2400 is for operation of gates having non-rising stems, while No. S2500 and No. S2600 are for use in connection with rising stems. No. S2400 consists of a cast iron pedestal, which serves as a support for the stem, and handwheel which is keyed to the stem. The S2500 has bronze operating nut with plain bearings, and the S2600 has ball bearings both above and below the operating nut collar.



NO. S2500 "TRI-SEAL" HANDWHEEL FLOOR STANDS WITH RISING STEMS AND PLAIN BEARINGS

Stand Number	Diameter of Handwheel "H", in.	Approximate weight of stand in lbs.	No. of turns of hand-wheel per ft. travel of stem	Pounds pull on hand-wheel rim to develop full safe stem load	*Safe stem load in compression (lbs.)	Diameter of stem "S", in.	No. of Acme threads per inch	Weight of plain steel stem in lbs. per ft.	Torque in inch lbs. exerted by a single 23-lb. force on rim of handwheel	Recommended Spacing of Stem Guides	
										Plain stems	Threaded stems
S2521	21	150	42	170	4800	1 1/2	3 1/2	6.01	.....	7'-6"	5'-0"
S2524	24	155	42	150	4800	1 1/2	3 1/2	6.01	.....	7'-6"	5'-0"
S2530	30	195	36	180	6300	1 3/4	3 1/2	8.18	.....	8'-6"	6'-0"
S2536	36	260	36	220	9000	2	3	10.68	.....	10'-0"	7'-0"

Add 4% to the above stem weights if stems are of bronze.

†Lifting capacities proportional to pull on handwheel rim up to safe stem load.

*Safe stem loads in tension are approximately 2 1/2 times these compressive values.

For help in selection of sizes, see pages 8 to 12, or consult our Engineering Department.

NO. S2400 "TRI-SEAL" HANDWHEEL FLOOR STANDS WITH NON-RISING STEMS

S2421	21	145	.....	.....	.....	1 1/2	.....	6.01	262	9'-0"
S2424	24	150	.....	.....	.....	1 1/2	.....	6.01	300	9'-0"
S2430	30	190	.....	.....	.....	1 3/4	.....	8.18	375	10'-6"
S2436	36	255	.....	.....	.....	2	.....	10.68	450	12'-0"

NO. S2600 "TRI-SEAL" HANDWHEEL FLOOR STANDS WITH RISING STEMS AND BALL BEARINGS

S2621	21	160	42	60	4800	1 1/2	3 1/2	6.01	.....	7'-6"	5'-0"
S2624	24	165	42	52	4800	1 1/2	3 1/2	6.01	.....	7'-6"	5'-0"
S2630	30	205	36	63	6300	1 3/4	3	8.18	.....	8'-6"	6'-0"
S2636	36	270	36	82	9000	2	3	10.68	.....	10'-0"	7'-0"

See Catalogue No. 30, Sec. W. C. A. for Open Type Gear and Other Hoists

"TRI-SEAL" ENCLOSED GEARED FLOOR STANDS

For Screw Stem Gates

These types are favored for heavy duty lifting, because of their compactness and the fact that the screw thread of the gate stem allows the gate to be stopped and held at any stage of opening. These stands can be adapted to either rising or non-rising stems. Selective two-speed gear ratios and the fact that the handle is removable or may be locked to prevent tampering, are other important advantages.

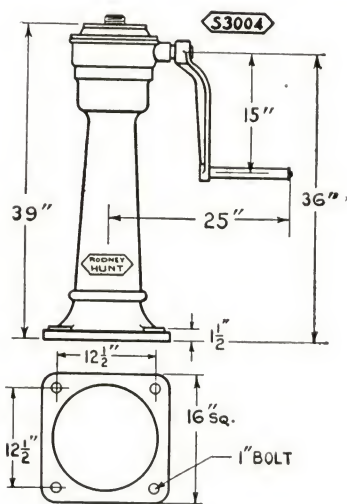
No. S3004 is a Single Geared Floor Stand with a 4:1 gear ratio—four crank revolutions giving the lifting nut one revolution. The bevel pinion and gear are of heat treated steel with cut teeth. The end thrust of the stem is taken by ball bearings. Made also in double crank arrangement for two-man operation and is designated as No. S3204. No. S3104 represents the same stand, except that it is equipped with a 24-inch hand wheel instead of the hand crank.

No. S3012 is a back geared type of floor stand with a 12:1 gear ratio, affording a very powerful hoist for operating heavy gates and valves. It is also made in a double crank arrange-

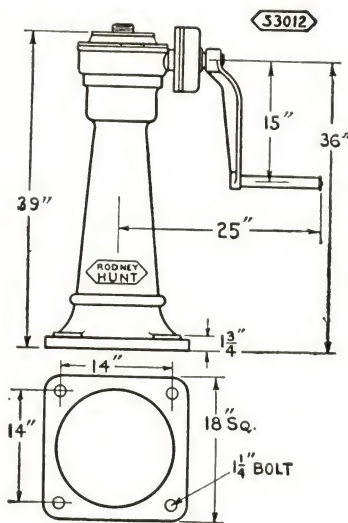
ment and is designated as No. S3212. The lifting nut is of bronze driven by a bevel gear and pinion of forged steel with cut teeth, these gears being of 4 to 1 ratio. The back gearing, used to give low speed and maximum power, consists of cast iron gears with cut teeth of 3 to 1 ratio; this gives a combined gear ratio of 12 to 1.

The low or back geared position for attaching crank is invaluable for starting as well as for seating some types of gates.

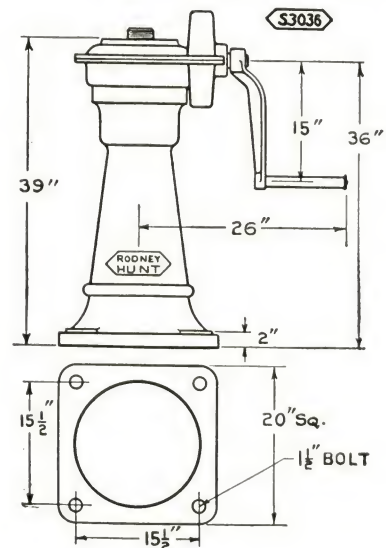
No. S3036 is one of the most powerful floor stands made by Rodney Hunt. Despite its immense capacity, it is very compact. The gear arrangement consists of a spur pinion meshing with a spur gear which is on the same spindle as a quadruple thread worm which in turn acts on the worm gear that carries the bronze lifting nut. The gear ratio here is 36 to 1. Not only is the end thrust of the stem taken by thrust ball bearings but the entire worm shaft is mounted in roller and thrust ball bearings. Also has the same durable stud advantages as No. S3012 which is extremely useful for heavier load conditions.



No. S3004



No. S3012



No. S3036

NO. S3004 "TRI-SEAL" ENCLOSED GEARED FLOOR STANDS

Stand Number	Diameter of stem "S", in.	No. of Acme Threads per inch.	Weight of plain steel stem in lbs. per ft.	Recommended Spacing of Stem Guides		Approximate weight of stand, lbs.	Pounds pull on handwheel rim to develop full safe stem load	*Safe stem load in compression (lbs.)
				Plain stems	Threaded stems			
S3004-f	2	3	10.68	9'-3"	6'-3"	345	60	11,000
S3004-g	2 1/4	3	13.52	10'-3"	7'-3"		88	15,000
S3004-h	2 1/2	3	16.69	11'-0"	8'-0"		125	19,500

NO. S3012 "TRI-SEAL" ENCLOSED GEARED FLOOR STANDS

S3012-g	2 1/4	3	13.52	10'-3"	7'-3"	455	25	15,000
S3012-h	2 1/2	3	16.69	11'-0"	8'-0"		35	19,500
S3012-j	2 3/4	2 1/2	20.19	12'-0"	8'-9"		47	23,000
S3012-k	3	2 1/2	24.03	13'-0"	9'-6"		64	29,000

NO. S3036 "TRI-SEAL" ENCLOSED GEARED FLOOR STANDS

S3036-h	2 1/2	3	16.69	11'-0"	8'-0"	850	14	19,500
S3036-j	2 3/4	2 1/2	20.19	12'-0"	8'-9"		18	23,000
S3036-k	3	2 1/2	24.03	13'-0"	9'-3"		25	30,000
S3036-m	3 1/4	2 1/2	28.21	14'-0"	10'-6"		31	35,000
S3036-n	3 1/2	2	32.71	15'-0"	11'-0"		33	38,500

Add 4% to the above stem weights if the stems are of bronze.

†Lifting capacities proportional to pull on handwheel rim up to safe stem load.

*Safe stem loads in tension are approximately 2 1/2 times these compressive values.

Dimensions given in inches

See Catalogue No. 30, Sec. W. C. A. for Open Type Gear and Other Hoists

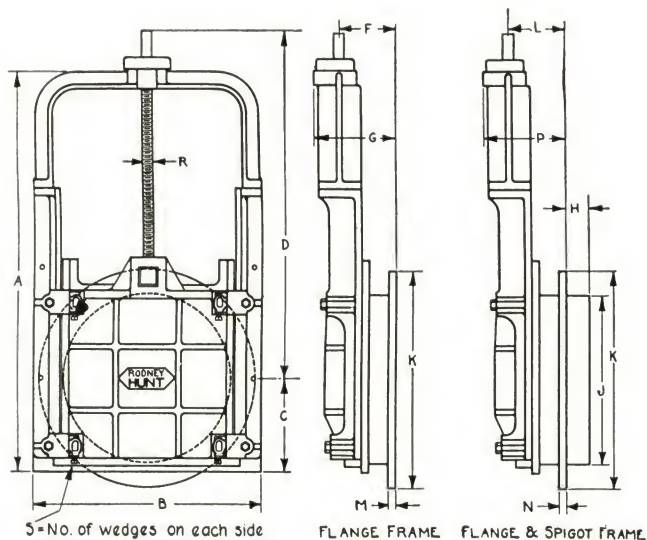
"TESTITE" SELF-CONTAINED SLUICE GATES

"Rodney Hunt" Self Contained or Non-Rising Stem Gates are usually selected for low heads. They may be operated by a plain nut wrench, by a handwheel or by a floor stand; the floor stand may be operated by hand, by motor drive or by a hydraulic cylinder.

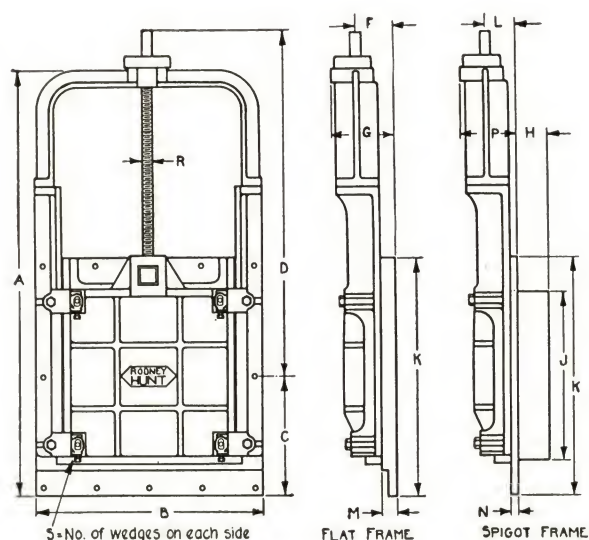
The diagrams herewith indicate the styles of frames most commonly used, although other types are fur-

nished when required. The bronze facings in "Rodney Hunt" Gates are most substantial, being much heavier than those ordinarily used. Ample clearance height is provided and the machine finishing is most exact.

Screw stems are of bronze and are most carefully finished to gauges, insuring smooth and even operation.



Series G73-G74



Series G81-G82

NOS. G73-G74 "TESTITE" ADJUSTABLE WEDGES, RECTANGULAR SLIDE, NON-RISING STEM

Flange frame		Flange and spigot frame		Gate size	A	B	C	D	F	G	H	J	K	L	M	N	P	R	S
No.	Code	No.	Code																
G7306	Grab	G7406	Graph	6	20 1/2	13 1/2	4 3/8	22	6 1/8	7 1/2	4	7	11	6 1/8	3 1/4	3 1/4	7 1/2	1 1/8	1
G7308	Grace	G7408	Grapple	8	24 5/8	15 1/2	5 3/8	25 1/8	6 3/8	7 1/2	4	9	13 1/2	6 1/8	1 3/16	1 3/16	7 1/2	1 1/4	1
G7310	Grade	G7410	Grasp	10	28 3/8	17 1/2	6 3/8	28 1/8	6 3/4	7 3/8	4	11	16	6 1/4	7/8	7/8	7 3/8	1 3/4	1
G7312	Graft	G7412	Grass	12	32 7/8	19 1/2	7 3/8	31 3/8	6 3/4	7 3/8	4	13 1/8	19	6 1/4	1 5/16	1 5/16	7 3/8	1 3/8	2
G7314	Grain	G7414	Grate	14	36 7/8	21 1/2	8 3/8	34 3/8	6 3/4	9 3/8	4	15 1/8	21	6 3/4	1	1	9 3/8	1 3/8	2
G7315	Gram	G7415	Grateful	15	39 3/8	22 1/2	9	36 3/8	6 3/4	9 3/8	4	16 1/8	22 1/4	6 3/4	1	1	9 3/8	1 1/2	2
G7316	Grammar	G7416	Gratis	16	41 1/8	23 1/2	9 1/2	38	6 3/4	9 3/8	4	17 1/4	23 1/2	6 3/4	1 1/16	1 1/16	9 3/8	1 1/2	2
G7318	Grand	G7418	Grave	18	46 1/2	27	10 3/4	42 1/8	7 3/8	10 1/2	4	19 1/4	25	7 3/8	1 1/8	1 1/8	10 1/2	1 1/2	2
G7320	Granite	G7420	Gravy	20	50 3/4	29	11 3/4	45 3/4	7 3/8	10 1/2	4	21 3/8	27 1/2	7 3/8	1 1/16	1 1/16	10 1/2	1 3/8	2
G7324	Grant	G7424	Gray	24	58 3/4	33	13 3/4	51 3/4	9 1/8	12 1/2	4	25 1/2	32	9 1/8	1 1/4	1 1/4	12 1/2	1 3/4	2
G7330	Grape	G7430	Graze	30	71	39	16 3/4	53	9 3/8	12 3/4	4	31 3/4	38 3/4	9 3/8	1 3/8	1 3/8	12 3/4	2	3

NOS. G81-G82 "TESTITE" RECTANGULAR SLUICE GATE, ADJUSTABLE WEDGES, NON-RISING STEM

Flat frame		Spigot frame		Gate size	A	B	C	D	F	G	H	J	K	L	M	N	P	R	S
No.	Code	No.	Code																
G810606	Glacial	G820606	Glimpse	6x6	23 1/8	13 1/2	7	22	3 3/4	5 1/8	4	7	14	3	1 5/8	7/8	4 3/8	1 1/8	1
G810808	Glad	G820808	Glitter	8x8	27 1/4	15 1/2	8	25 1/4	3 3/4	5 1/8	4	9	16	3	1 5/8	7/8	4 3/8	1 1/4	1
G811010	Gladdden	G821010	Gloat	10x10	31 1/4	17 1/2	9	28 1/4	3 3/4	5 1/8	4	11	18	3	1 5/8	7/8	4 3/8	1 1/4	1
G811212	Glace	G821212	Globe	12x12	35 1/2	19 1/2	10	31 3/4	3 3/4	5 1/8	4	13 1/4	20	3	1 5/8	7/8	4 3/8	1 3/8	2
G811414	Gland	G821414	Gloom	14x14	39 1/2	21 1/2	11	34 3/4	3 3/4	7	4	15 1/4	22	3 1/8	1 5/8	7/8	6 1/4	1 3/8	2
G811515	Glare	G821515	Glory	15x15	41 5/8	22 1/2	11 1/2	36 3/8	3 3/8	7	4	16 1/4	23	3 1/8	1 5/8	7/8	6 1/4	1 1/2	2
G811616	Glass	G821616	Gloss	16x16	43 5/8	23 1/2	12	38	3 3/8	7	4	17 1/4	24	3 1/8	1 5/8	7/8	6 1/4	1 1/2	2
G811818	Glazier	G821818	Glow	18x18	49 3/4	27	14	42 1/4	4 3/4	7 7/8	4	19 1/4	28	3 3/4	2	1	6 7/8	1 1/2	2
G812020	Gleam	G822020	Glue	20x20	54	29	15	45 3/4	4 3/4	7 7/8	4	21 3/8	30	3 3/4	2	1	6 7/8	1 3/8	2
G812424	Glen	G822424	Glum	24x24	62	33	17	51 3/4	5	8 1/8	4	25 1/2	34	4	2	1	7 1/8	1 3/4	2
G813030	Glide	G823030	Glutton	30x30	74 1/4	39	20	53	5	8 3/8	4	31 3/4	40	4	2	1	7 3/8	2	3

Dimensions are given in inches

"TESTITE" CIRCULAR OPENING SLUICE GATES

Rising Stem

"Rodney Hunt" Circular Opening Sluice Gates are furnished for low, medium and high heads. Plain gates are used in those situations where water pressure acts on one side of the gate only, while the wedge type is necessary for those conditions where back pressure exists, or where water pressure acts on both sides of the gate.

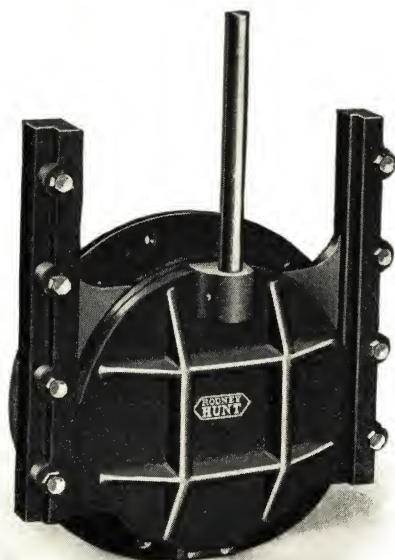
Small low pressure gates are usually supplied with plain circular slides. Medium and heavy pressure gates have square slides, thereby providing long pressure bearing surfaces which prevent the slides from bending when partly open and causing extra wear and damage to the bronze seat.

Rectangular Slide

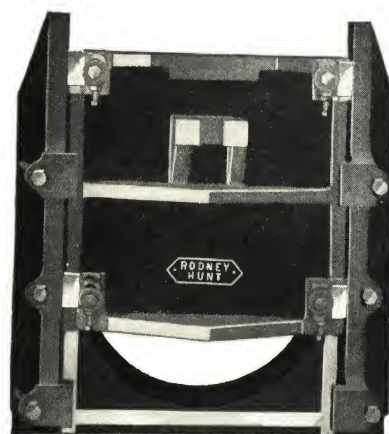
Circular Slide

Rising spindles are most commonly made of steel, however, bronze stems are frequently supplied. For exposed conditions, bronze stem extensions should replace steel.

These gates are equally well operated by hand, power, hydraulic or pneumatic cylinders. Substantial gate stem anchorage is assured in all "Rodney Hunt" Sluice Gates, unusual attention being paid to this important detail. The dependable service rendered by these gates emphasize the real value of "That Extra Factor of Safety."



Nos. G13-14A
"Testite"
Plain Rising Stem
Circular Gate with
Circular Slide



Nos. G13-14B "Testite"
Circular Gate with Square Slide, Heavy
Bronze Facings, Adjustable Wedges



Nos. G13-14C
"Testite" Circular Sluice Gate

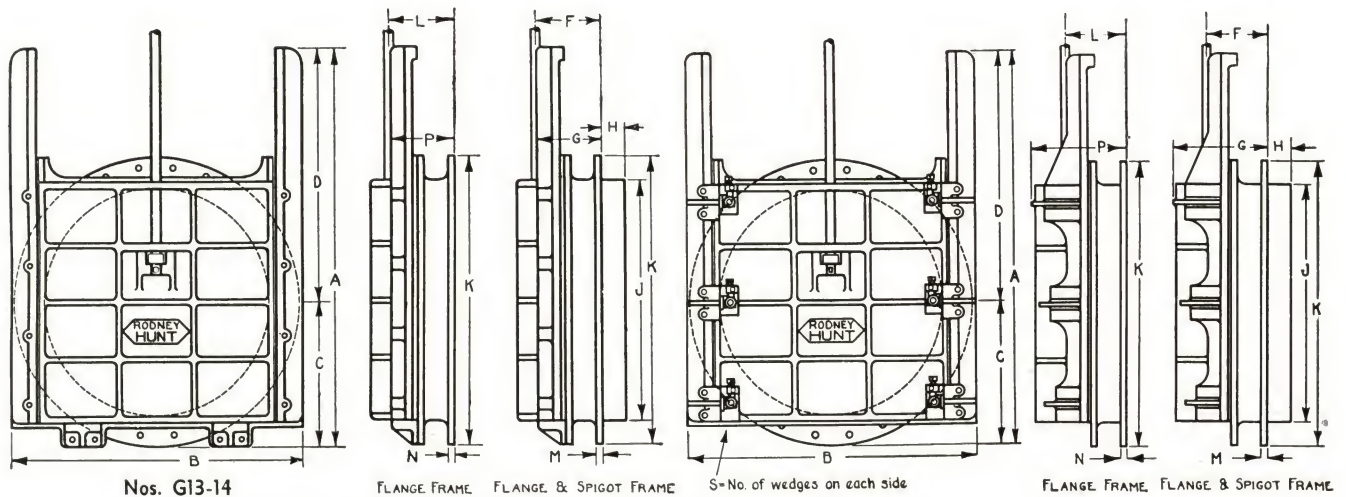


No. GS13
Type of Gate
for Face
Pressure

No. GS33
Type of Gate for
Reverse Pressure



DIAGRAMS AND DIMENSIONS, "TESTITE" CIRCULAR OPENING SLUICE GATES



Nos. G13-14

FLANGE FRAME FLANGE & SPIGOT FRAME S-No. of wedges on each side

FLANGE FRAME FLANGE & SPIGOT FRAME

NOS. G13-14 "TESTITE" WEDGELESS TYPE, RECTANGULAR SLIDE, RISING STEM

Flange frame		Flange and spigot frame		Gate size	A	B	C	D	F	G	H	J	K	L	M	N	P
No.	Code	No.	Code														
G1306	Gab	G1406	Gang	6	11 1/4	14	4 1/4	7	6 5/8	6 1/2	4	7	11	6 3/8	3 1/4	3 1/4	6 3/8
G1308	Gable	G1408	Gangster	8	14 1/4	16	5 1/4	9	6 5/8	6 1/2	4	9	13 1/2	6 3/8	3 1/4	3 1/4	6 3/8
G1310	Gad	G1410	Gap	10	17 3/4	18	6 1/4	11 1/2	6 5/8	6 1/2	4	11	16	6 5/8	3 1/4	3 1/4	6 5/8
G1312	Gag	G1412	Gape	12	20 3/4	20	7 1/4	13 1/2	6 5/8	6 3/4	4	13 1/2	19	6 5/8	3 1/4	3 1/4	6 5/8
G1314	Gaity	G1414	Garb	14	23 3/4	22	8 1/4	15 1/2	7 1/8	7	4	15 1/2	21	6 5/8	3 1/4	3 1/4	6 5/8
G1315	Gain	G1415	Garden	15	25 1/4	23	8 3/4	16 1/2	7 1/8	7	4	16 1/2	22 1/4	6 5/8	3 1/4	3 1/4	6 5/8
G1316	Gainly	G1416	Garlic	16	27 1/4	24	9 1/4	17 3/4	7 1/8	7	4	17 1/4	23 1/2	6 5/8	3 1/4	3 1/4	6 5/8
G1318	Gainful	G1418	Garnet	18	33 1/4	28	13 1/2	19 1/4	9 1/8	9	4	19 1/4	25	8 7/8	1 1/8	1 1/8	8 7/8
G1320	Gala	G1420	Garnish	20	36 1/4	30	14 1/2	22	9 3/8	9 1/4	4	21 3/4	27 1/2	9 1/8	1 1/8	1 1/8	9 3/8
G1324	Gale	G1424	Garret	24	42 1/2	34	16 1/2	26	9 5/8	9 1/4	4	25 1/2	32	9 3/8	1 1/4	1 1/4	9 5/8
G1330	Gall	G1430	Garter	30	52	40	19 1/2	32 1/2	10	9 1/2	4	31 3/4	38 3/4	9 3/4	1 3/8	1 3/8	9 1/4
G1336	Gallant	G1436	Gas	36	62 1/2	50	24	38 1/2	11 1/2	11 1/2	5	38	46	11 1/4	1 1/2	1 1/2	11 1/4
G1342	Galley	G1442	Gasket	42	71 3/4	56	27	44 3/4	11 1/2	11 1/2	5	44 1/2	53	11 5/8	1 5/8	1 5/8	11 5/8
G1348	Gallop	G1448	Gasp	48	81	62	30	51	12 1/8	11 5/8	5	50 1/2	59 1/2	11 7/8	1 5/8	1 5/8	11 7/8
G1354	Gallows	G1454	Gat	54	90 1/4	68	33	57 1/4	12 1/8	11 5/8	5	56 5/8	66 1/4	12 1/4	1 3/4	1 3/4	12 1/4
G1360	Galore	G1460	Gather	60	99 1/4	74	36	63 1/2	12 1/2	11 3/4	5	62 3/8	73	12 1/4	1 3/4	1 3/4	12 1/4
G1366	Gamble	G1466	Gaudy	66	108 3/4	80	39	69 3/4	13	12 1/4	5	68 3/8	80	12 3/4	1 3/4	1 3/4	12 3/4
G1372	Gambler	G1472	Gauge	72	118	86	42	76	13 1/4	12 1/4	5	74 3/8	86 1/2	12 7/8	1 7/8	1 7/8	12 7/8
G1378	Game	G1478	Gauze	78	128	92	45	83	13 5/8	12 1/2	5	80 3/8	93	13 3/8	2	2	12 3/4
G1384	Gamut	G1484	Gay	84	137	100	48	89	14 3/4	13	6	86 3/4	99 3/4	14 1/2	2	2	12 3/4
G1396	Gander	G1496	Gaze	96	155	112	54	101	15 1/4	13 1/2	6	98 3/4	113 1/4	15	2 1/4	2 1/4	13 1/4

Nos. G33-34

NOS. G33-34 "TESTITE" ADJUSTABLE SIDE WEDGES, RECTANGULAR SLIDE, RISING STEM

Flange frame		Flange and spigot frame		Gate size	A	B	C	D	F	G	H	J	K	L	M	N	P	S
No.	Code	No.	Code															
G3306	Giant	G3406	Gimcrack	6	11 1/4	14	4 1/4	7	6 7/8	9 3/8	4	7	11	6 3/8	3 1/4	3 1/4	9 1/8	1
G3308	Gib	G3408	Gimlet	8	14 1/4	16	5 1/4	9	6 5/8	9 3/8	4	9	13 1/2	6 3/8	3 1/4	3 1/4	9 3/8	1
G3310	Gibber	G3410	Gimp	10	17 3/4	18	6 1/4	11 1/2	6 5/8	9 1/2	4	11	16	6 5/8	3 1/4	3 1/4	9 1/2	1
G3312	Gibbet	G3412	Gin	12	20 3/4	20	7 1/4	13 1/2	6 5/8	10 3/4	4	13 1/2	19	6 5/8	3 1/4	3 1/4	10 1/2	2
G3314	Gibbous	G3414	Ginger	14	23 3/4	22	8 1/4	15 1/2	7 1/8	11	4	15 1/2	21	6 5/8	3 1/4	3 1/4	10 3/4	2
G3315	Giblet	G3415	Ginfeng	15	25 1/4	23	8 3/4	16 1/2	7 1/8	11	4	16 1/2	22 1/4	6 5/8	3 1/4	3 1/4	10 3/4	2
G3316	Giddly	G3416	Gingerly	16	27 1/4	24	9 1/4	17 3/4	7 1/8	11	4	16 1/4	23 1/2	6 5/8	3 1/4	3 1/4	10 3/4	2
G3318	Giddy	G3418	Gingham	18	33 1/4	28	13 1/2	19 1/4	9 1/8	14	4	19 1/4	25	8 7/8	1 1/8	1 1/8	13 3/4	2
G3320	Gift	G3420	Giraffe	20	36 1/4	30	14 1/2	22	9 3/8	14	4	21 3/4	27 1/2	9 1/8	1 1/8	1 1/8	13 3/4	2
G3324	Gifted	G3424	Gird	24	42 1/2	34	16 1/2	26	9 5/8	14 1/4	4	25 1/2	32	9 3/8	1 1/4	1 1/4	14	2
G3330	Gig	G3430	Girder	30	52	40	19 1/2	32 1/2	10	15 1/2	4	31 3/4	38 3/4	9 3/4	1 3/8	1 3/8	15 1/4	3
G3336	Gigantic	G3436	Girdle	36	62 1/2	50	24	38 1/2	11 1/2	18 3/8	5	38	46	11 1/4	1 1/2	1 1/2	18 3/8	3
G3342	Giggle	G3442	Girl	42	71 3/4	56	27	44 3/4	11 1/2	18 3/8	5	44 1/2	53	11 5/8	1 5/8	1 5/8	18 3/8	3
G3348	Gigot	G3448	Girlhood	48	81	62	30	51	12 1/8	18 3/8	5	50 1/2	59 1/2	11 7/8	1 5/8	1 5/8	18 3/8	3
G3354	Gild	G3454	Girlish	54	90 1/4	68	33	57 1/4	12 1/8	18 3/8	5	56 5/8	66 1/4	12 1/4	1 3/4	1 3/4	18 3/8	3
G3360	Gilded	G3460	Girth	60	99 1/4	74	36	63 1/2	12 1/2	20 3/8	5	62 3/8	73	12 1/4	1 3/4	1 3/4	19 7/8	4
G3366	Gildina	G3466	Gist	66	108 3/4	80	39	69 3/4	13	20 3/8	5	68 3/8	80	12 3/4	1 3/4	1 3/4	20 3/8	4
G3372	Gill	G3472	Give	72	118	86	42	76	13 1/4	20 3/8	5	74 3/8	86 1/2	12 7/8	1 7/8	1 7/8	20 3/8	4
G3378	Gilt	G3478	Given	78	128	92	45	83	13 5/8	20 3/8	5	80 3/8	93	13 3/8	2	2	20 3/8	4
G3384	Gilthead	G3484	Giver	84	137	100	48	89	14 3/4	22 3/8	6	86 3/4	99 3/4	14 1/2	2	2	22 3/8	4
G3396	Gimbal	G3496	Gizzard	96	155	112	54	101	15 1/4	24 1/2	6	98 3/4	113 1/4	15	2 1/4	2 1/4	24 1/4	5

NOS. G53-54 "TESTITE" ADJUSTABLE SIDE, TOP AND BOTTOM WEDGES, RECTANGULAR SLIDE

Flange frame		Flange and spigot frame		Gate size	A	B	C	D	F	G	H	J	K	L	M	N	P	R	S	T
No.	Code	No.	Code																	
G5320	Guard	G5420	Gulf	20	36 1/2	30	14 1/2	22	9 3/8	14	4	21 3/8	27 1/2	9 1/8	1 1/8	1 1/8	13 3/4	2	2	2
G5324	Guardian	G5424	Gull	24	42 1/2	34	16 1/2	26	9 5/8	14 1/4	4	25 1/2	32	9 3/8	1 1/4	1 1/4	14	2	2	2
G5330	Gudgeon	G5430	Gullet	30	52	40	19 1/2	32 1/2	10	15 1/2	4	31 3/4	38 3/4	9 3/4	1 3/8	1 3/8	15 1/4	2	2	2
G5336	Guess	G5436	Gully	36	62 1/2	50	24	38 1/2	11 1/2	18 3/8	5	38	46	11 1/4	1 1/2	1 1/2	18 3/8	2	2	2
G5342	Guest	G5442	Gulp	42	71 3/4	56	27	44 3/4	11 1/2	18 3/8	5	44 1/2	53	11 5/8	1 5/8	1 5/8	18 3/8	2	2	2
G5348	Guide	G5448	Gum	48	81	62	30	51	12 1/8	18 3/8	5	50 1/2	59 1/2	11 7/8	1 5/8	1 5/8	18 3/8	2	2	2
G5354	Guile	G5454	Gunner	54	90 1/4	68	33	57 1/4	12 1/8	18 3/8	5	56 5/8	66 1/4	12 1/4	1 3/4	1 3/4	18 3/8	2	2	2
G5360	Guilt	G5460	Gurgle	60	99 1/4	74	36	63 1/2	12 1/2	20 3/8	5	62 3/8	73	12 1/4	1 3/4	1 3/4	19 7/8	2	2	2
G5366	Guilty	G5466	Gusher	66	108 3/4	80	39	69 3/4	13	20 3/8	5	68 3/8	80	12 3/4	1 3/4	1 3/4	20 3/8	2	2	2
G5372	Guinea	G5472	Gust	72	118	86	42	76	13 1/4	20 3/8	5	74 3/8	86 1/2	12 7/8	1 7/8	1 7/8	20 3/8	2	2	2
G5378	Guise	G5478	Gutter	78	128	92	45	83	13 5/8	20 3/8	5	80 3/8	93	13 3/8	2	2	20 3/8	2	2	2
G5384	Guitar	G5484	Guy	84	137	100	48	89	14 3/4	22 3/8	6	86 3/4	99 3/4	14 1/2	2	2	22 3/8	4	4	4
G5396	Gulch	G5496	Guzzle	96	155	112	54	101	15 1/4	24 1/2	6	98 3/4	113 1/4	15	2 1/4	2 1/4	24 1/4	4	5	4

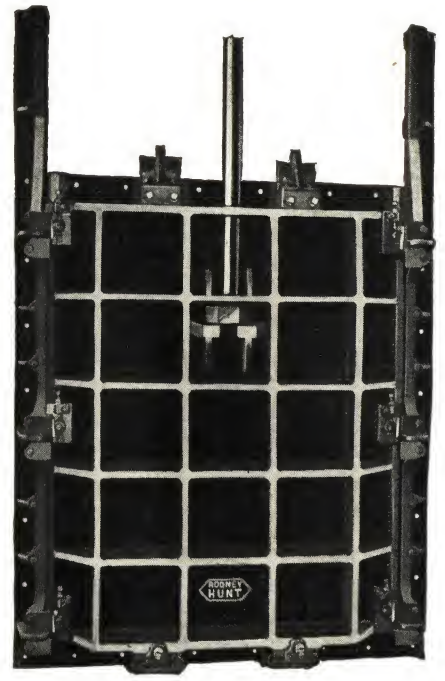
Dimensions given in inches

"TESTITE" RECTANGULAR SLUICE GATES

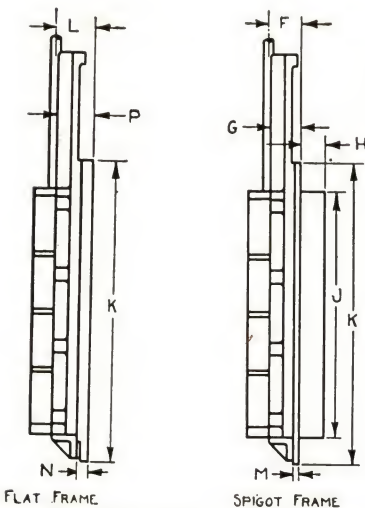
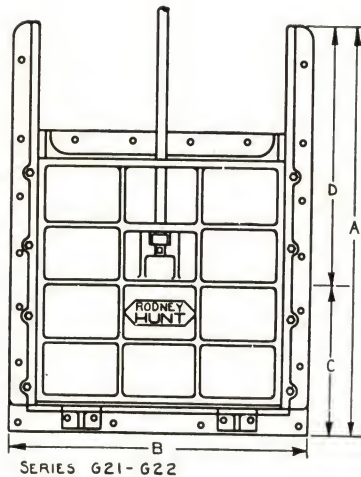
The details of construction evident in the illustration at the right and in the diagram on the pages reveal refinements and reinforcements peculiar to "Rodney Hunt" Gates only. Engineers frequently comment on the fact that these gates are extra substantial. Frequent tests of castings used reveal very high grade iron of unusual strength. They also are built with "That Extra Factor of Safety."

No. G21-22 gate is for installation when pressure is great enough to force the disc to a water tight seat and where it is never in the reverse direction tending to force the slide away from the frame.

They are designed for a maximum head of 100 ft. and have wide brass facings on both frame and slide. Stops on the frame limit the slide travel. Where the pressure is too light to keep the slide tight, our Series G41-42 gates should be used. If it is desired to have the gate tight under back pressure, the Series G63-64 should be selected.



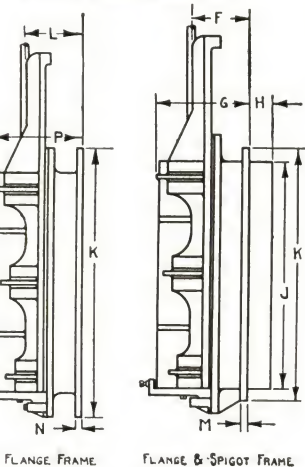
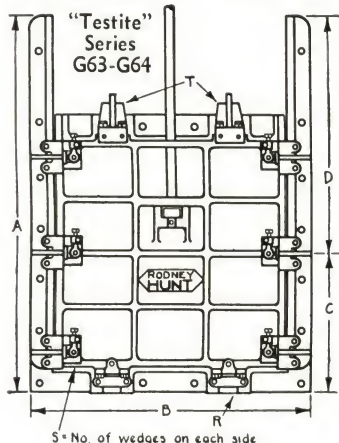
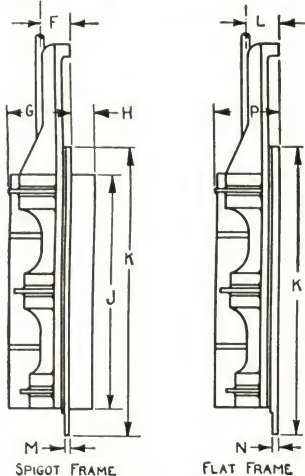
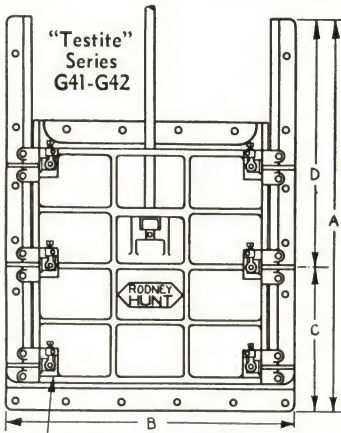
G63-64 "Testite"
Rectangular Sluice Gate



"TESTITE" NOS. G21-22 WEDGELESS TYPE RISING STEM RECTANGULAR SLUICE GATES

Flat frame		Spigot frame		Gate size	A	B	C	D	F	G	H	J	K	L	M	N	P	
No.	Code	No.	Code															
G210606	Dab	G220606	Deign	6x6	14	14	7	7	3 1/2	3 3/8	4	7	14	4 1/4	7 1/8	1 5/8	4 1/8	4 1/8
G210808	Dabble	G220808	Delay	8x8	17	16	8	9	3 1/2	3 3/8	4	9	16	4 1/4	7 1/8	1 5/8	4 1/8	4 1/8
G211010	Dad	G221010	Dell	10x10	20 1/2	18	9	11 1/2	3 1/2	3 3/8	4	11	18	4 1/4	7 1/8	1 5/8	4 1/8	4 1/8
G211212	Dagger	G221212	Den	12x12	23 1/2	20	10	13 1/2	3 1/2	3 3/8	4	13 1/8	20	4 1/4	7 1/8	1 5/8	4 1/8	4 1/8
G211220	Daily	G221220	Dent	12x20	37	20	15	22	3 1/2	3 3/8	4	21 3/8	30	4 1/4	7 1/8	1 5/8	4 1/8	4 1/8
G211414	Dainty	G221414	Depart	14x14	26 1/2	22	11	15 1/2	3 1/2	3 3/8	4	15 1/8	22	4 1/4	7 1/8	1 5/8	4 1/8	4 1/8
G211616	Dairy	G221616	Depot	16x16	39 3/4	24	12	17 3/4	3 1/2	3 3/8	4	17 1/4	24	4 1/4	7 1/8	1 5/8	4 1/8	4 1/8
G211624	Daisy	G221624	Derrick	16x24	43	26	17	26	3 1/2	3 3/8	4	25 1/4	34	4 1/4	7 1/8	1 5/8	4 1/8	4 1/8
G211818	Dale	G221818	Desert	18x18	33 3/4	28	14	19 3/4	3 1/2	3 3/8	4	19 1/4	28	4 1/4	7 1/8	1 5/8	4 1/8	4 1/8
G211824	Dally	G221824	Desk	18x24	43	28	17	26	3 1/2	3 3/8	4	25 1/4	34	4 1/4	7 1/8	1 5/8	4 1/8	4 1/8
G211836	Dam	G221836	Deuce	18x36	63 1/2	32	25	38 1/2	5 1/2	5 1/4	5	38	50	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G212020	Damage	G222020	Dew	20x20	37	30	15	22	4 1/4	4 1/4	4	21 3/8	30	5 1/4	1 1/2	2 1/2	5	5
G212024	Damask	G222024	Dial	20x24	43	30	17	26	4 1/4	4 1/4	4	25 1/4	34	5 1/4	1 1/2	2 1/2	5	5
G212036	Dame	G222036	Dice	20x36	63 1/2	34	25	38 1/2	5 1/2	5 1/4	5	38	50	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G212424	Damp	G222424	Dicker	24x24	43	34	17	26	4 1/4	4 1/4	4	25 1/4	34	5 1/4	1 1/2	2 1/2	5	5
G212436	Damper	G222436	Diction	24x36	63 1/2	38	25	38 1/2	5 1/2	5 1/4	5	38	50	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G212448	Damsel	G222448	Die	24x48	82	38	31	51	5 1/2	5 1/4	5	50 1/2	62	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G212460	Dance	G222460	Diet	24x60	100 1/2	40	20	32 1/2	4 1/2	4 1/4	4	31 3/4	40	5 1/2	1 1/2	2 1/2	5	5
G213030	Dandy	G223030	Differ	30x30	52 1/2	40	20	32 1/2	4 1/2	4 1/4	4	31 3/4	40	5 1/2	1 1/2	2 1/2	5	5
G213036	Danger	G223036	Digit	30x36	63 1/2	44	25	38 1/2	5 1/2	5 1/4	5	38	50	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G213048	Dangle	G223048	Dip	30x48	82	44	31	51	5 1/2	5 1/4	5	50 1/2	62	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G213060	Dapper	G223060	Dimmed	30x60	100 1/2	44	37	63 1/2	5 1/2	5 1/4	5	62 3/4	74	7 1/4	1 1/4	2 1/2	6 1/2	6 1/2
G213624	Dare	G223624	Din	36x24	43	46	17	26	4 1/2	4 1/4	4	25 1/4	34	5 1/4	1 1/2	2 1/2	5	5
G213636	Daring	G223636	Dingy	36x36	63 1/2	50	25	38 1/2	5 1/2	5 1/4	5	38	50	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G213642	Dark	G223642	Dinner	36x42	72 3/4	50	28	44 3/4	5 1/2	5 1/4	5	44 1/8	56	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G213648	Darling	G223648	Dip	36x48	82	50	31	51	5 1/2	5 1/4	5	50 1/2	62	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G213660	Dart	G223660	Dipper	36x60	100 1/2	50	37	63 1/2	5 1/2	5 1/4	5	62 3/4	74	7 1/4	1 1/4	2 1/2	6 1/2	6 1/2
G213672	Dash	G223672	Dire	36x72	119	50	43	76	6	5 1/4	5	74 3/4	86	7 1/4	1 1/4	2 1/2	6 1/2	6 1/2
G214242	Dashing	G224242	Direct	42x42	72 3/4	56	28	44 3/4	5 1/2	5 1/4	5	44 1/8	56	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G214260	Data	G224260	Dirt	42x60	100 1/2	56	37	63 1/2	5 1/2	5 1/4	5	62 3/4	74	7 1/4	1 1/4	2 1/2	6 1/2	6 1/2
G214272	Date	G224272	Dish	42x72	119	56	43	76	6	5 1/4	5	74 3/4	86	7 1/4	1 1/4	2 1/2	6 1/2	6 1/2
G214836	Daub	G224836	Disk	48x36	63 1/2	62	25	38 1/2	5 1/2	5 1/4	5	38	50	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G214848	Daughter	G224848	Dismal	48x48	82	62	31	51	5 1/2	5 1/4	5	50 1/2	62	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G214860	Daunt	G224860	Ditch	48x60	100 1/2	62	37	63 1/2	6	5 1/4	5	62 3/4	74	7 1/4	1 1/4	2 1/2	6 1/2	6 1/2
G214872	Dawn	G224872	Ditty	48x72	119	62	43	76	6	5 1/4	5	74 3/4	86	7 1/4	1 1/4	2 1/2	6 1/2	6 1/2
G214884	Day	G224884	Divan	48x84	139	64	50	89	7 1/4	6	6	86 3/4	100	8 1/2	1 1/2	2 1/2	7 1/2	7 1/2
G214896	Daze	G224896	Dizzy	48x96	157	64	56	101	7 3/8	6	6	98 3/4	112	8 1/2	1 1/2	2 1/2	7 1/2	7 1/2
G215454	Dazzle	G225454	Dobbin	54x54	91 1/4	68	34	57 1/4	5 1/2	5 1/4	5	56 3/8	68	7 1/4	1 1/4	2 1/2	6 1/2	6 1/2
G216036	Deacon	G226036	Dock	60x36	63 1/2	74	25	38 1/2	5 1/2	5 1/4	5	38	50	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G216048	Dead	G226048	Doctor	60x48	82	74	31	51	6	5 1/4	5	50 1/2	62	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G216060	Deaf	G226060	Dodge	60x60	100 1/2	74	37	63 1/2	6	5 1/4	5	62 3/4	74	7 1/4	1 1/4	2 1/2	6 1/2	6 1/2
G216072	Deal	G226072	Does	60x72	119	74	43	76	6 3/8	5 1/4	5	74 3/4	86	7 1/4	1 1/4	2 1/2	6 1/2	6 1/2
G216084	Dean	G226084	Dog	60x84	139	76	50	89	6 3/8	6	6	86 3/4	100	8 1/2	1 1/2	2 1/2	7 1/2	7 1/2
G216096	Dear	G226096	Doily	60x96	157	76	56	101	7 1/2	6	6	98 3/4	112	9	1 1/2	2 1/2	7 1/2	7 1/2
G216666	Debate	G226666	Doll	66x66	109 3/4	80	40	69 3/4	6 1/4	5 1/4	5	68 3/4	80	7 1/4	1 1/4	2 1/2	6 1/2	6 1/2
G217248	Debit	G227248	Dome	72x48	82	86	31	51	6	5 1/4	5	50 1/2	62	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G217272	Debt	G227272	Doom	72x72	119	86	37	63 1/2	6 3/8	5 1/4	5	74 3/4	86	7 1/4	1 1/4	2 1/2	6 1/2	6 1/2
G217284	Debtor	G227284	Door	72x84	139	88	50	89	7 1/2	6	6	86 3/4	100	9	1 1/2	2 1/2	7 1/2	7 1/2
G217296	Decent	G227296	Dope	72x96	157	88	56	101	7 3/8	6	6	98 3/4	112	9 1/4	1 1/2	2 1/2	7 1/2	7 1/2
G217878	Deck	G227878	Dory	78x78	129	92	46	83	6 1/2	5 1/4	5	80 3/4	88	7 3/4	1 1/4	2 1/2	6 1/2	6 1/2
G218460	Decoy	G228460	Dosage	84x60	100 1/2	98	37	63 1/2	6 3/8	5 1/4	5	62 3/4	74	7 1/4	1 1/4	2 1/2	6 1/2	6 1/2
G218484	Decree	G228484	Dot	84x84	139	100	50	89	7 3/4	6	6	86 3/4	100	9 1/4	1 1/2	2 1/2	7 1/2	7 1/2
G218496	Deed	G228496	Double	84x96	157	100	56	101	7 3/4	6	6	98 3/4	112	9 1/4	1 1/2	2 1/2	7 1/2	7 1/2
G2184108	Deem	G2284108	Doubt	84x108	175	100	62	113	8	6	6	110 3/4	124	9 1/2	1 1/2	2 1/2	7 1/2	7 1/2
G219648	Deep	G229648	Dough	96x48	82	110	31	51	6 3/8	5 1/4	5	50 1/2	62	6 1/2	1 1/4	2 1/2	6 1/2	6 1/2
G219660	Defeat	G229660	Dove	96x60	100 1/2	110	37	63 1/2	6 3/8	5 1/4	5	62 3/4	74	7 1/4	1 1/4	2 1/2	6 1/2	6 1/2
G219672	Defy	G229672	Down	96x72	119	110	43	76	6 3/4	5 1/4	5	74 3/4	86	8	1 1/4	2 1/2	6 1/2	6 1/2
G219696	Degree	G229696	Dowry	96x96	157	112	56	101	8	6	6	98 3/4	112	9 1/2	1 1/2	2 1/2	7 1/2	7 1/2

Dimensions given in inches



"TESTITE" SERIES G41-G42 RECTANGULAR SLUICE GATES

Flat frame		Spigot frame		Gate size																	
No.	Code	No.	Code		A	B	C	D	F	G	H	J	K	L	M	N	P	S			
G 410606	Babble	G 420606	Barber	6x 6	14	7	7	3 1/2	6 1/4	4	7	14	4 1/4	7 1/2	1 1/2	7	7	1			
G 410808	Babe	G 420808	Bard	8x 8	17	8	9	3 1/2	6 1/4	4	9	16	4 1/4	8 1/2	1 1/2	8	8	1			
G 411010	Back	G 421010	Barely	10x 10	20 1/2	18	9	11 1/2	3 1/2	6 1/4	4	11	18	4 1/4	1 1/2	10	10	1			
G 411212	Bacon	G 421212	Bargain	12x 12	24 1/2	20	10	14 1/2	3 1/2	7 1/2	4	13 1/2	20	4 1/4	1 1/2	12	12	1			
G 411220	Bad	G 421220	Barge	12x 20	36	20	14	22	3 1/2	7 1/2	4	21 1/2	28	4 1/4	1 1/2	15	15	1			
G 411414	Badge	G 421414	Bark	14x 14	26 1/2	22	11	15 1/2	3 1/2	7 1/2	4	15 1/2	22	4 1/4	1 1/2	15	15	1			
G 411616	Baffle	G 421616	Barlow	16x 16	39 3/4	24	12	17 3/4	3 1/2	9	4	17 1/2	24	4 1/4	1 1/2	15	15	1			
G 411624	Bag	G 421624	Barn	16x 24	43	24	17	26	3 1/2	9	4	25 1/2	34	4 1/4	1 1/2	20	20	1			
G 411818	Bail	G 421818	Barrack	18x 18	33 3/4	28	14	19 3/4	4 1/2	9	4	19 1/2	28	5 1/4	1 1/2	20	20	1			
G 411824	Bait	G 421824	Barrel	18x 24	43	28	17	26	4 1/2	12 1/2	4	25 1/2	34	5 1/4	1 1/2	20	20	1			
G 411836	Bake	G 421836	Barren	18x 36	63 1/2	32	25	38 1/2	5	9	4	38	50	6 1/2	1 1/2	21 1/2	21 1/2	1			
G 412020	Bald	G 422020	Base	20x 20	37	30	15	22	4 1/2	9	4	21 1/2	28	5 1/4	1 1/2	20	20	1			
G 412036	Ball	G 422036	Basin	20x 36	63 1/2	32	25	38 1/2	5 1/2	12 1/2	4	38	50	6 1/2	1 1/2	21 1/2	21 1/2	1			
G 412424	Ballet	G 422424	Basking	24x 24	43	34	17	26	4 1/2	9	4	25 1/2	34	5 1/4	1 1/2	20	20	1			
G 412436	Balloon	G 422436	Basket	24x 36	63 1/2	38	25	38 1/2	5 1/2	12 1/2	4	38	50	6 1/2	1 1/2	21 1/2	21 1/2	1			
G 412448	Balloon	G 422448	Bass	24x 48	82	38	31	51	5 1/2	12 1/2	5	50 1/2	62	6 1/2	1 1/2	21 1/2	21 1/2	1			
G 412460	Balm	G 422460	Baste	24x 60	100 1/2	38	37	63 1/2	5 1/2	13 3/4	5	62 3/4	74	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 413030	Balsam	G 423030	Bat	30x 30	50 1/2	40	20	32 1/2	4 1/2	10	4	31 1/2	40	5 1/2	1 1/2	21 1/2	21 1/2	1			
G 413036	Ban	G 423036	Batch	30x 36	63 1/2	44	25	38 1/2	5 1/2	12 1/2	5	50 1/2	62	6 1/2	1 1/2	21 1/2	21 1/2	1			
G 413048	Banal	G 423048	Bath	30x 48	82	44	31	51	5 1/2	12 1/2	5	50 1/2	62	6 1/2	1 1/2	21 1/2	21 1/2	1			
G 413624	Bandit	G 423624	Battle	36x 24	43	46	17	26	4 1/2	9	5	25 1/2	34	5 1/4	1 1/2	20	20	1			
G 413636	Bang	G 423636	Baulk	36x 36	63 1/2	48	25	38 1/2	5 1/2	12 1/2	5	50 1/2	62	6 1/2	1 1/2	21 1/2	21 1/2	1			
G 413648	Banjo	G 423648	Being	36x 48	82	50	31	51	5 1/2	12 1/2	5	50 1/2	62	6 1/2	1 1/2	21 1/2	21 1/2	1			
G 413660	Bank	G 423660	Beach	36x 60	100 1/2	50	37	63 1/2	5 1/2	13 3/4	5	62 3/4	74	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 413672	Banner	G 423672	Beacon	36x 72	119	50	43	76	6	13 3/4	5	74 3/4	86	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 414242	Banquet	G 424242	Bead	42x 42	72 3/4	56	28	44 3/4	5 1/2	12 1/2	5	44 1/2	56	6 1/2	1 1/2	21 1/2	21 1/2	1			
G 414260	Banter	G 424260	Beak	42x 60	100 1/2	56	37	63 1/2	5 1/2	13 3/4	5	62 3/4	74	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 414272	Bar	G 427272	Beaming	42x 72	119	56	43	76	6	13 3/4	5	74 3/4	86	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 414836	Bean	G 424836	Beloved	48x 36	63 1/2	62	25	38 1/2	5 1/2	12 1/2	5	50 1/2	62	6 1/2	1 1/2	21 1/2	21 1/2	1			
G 414848	Bear	G 424848	Below	48x 48	82	62	31	51	5 1/2	12 1/2	5	50 1/2	62	6 1/2	1 1/2	21 1/2	21 1/2	1			
G 414860	Beard	G 424860	Bench	48x 60	100 1/2	62	37	63 1/2	6	13 3/4	5	62 3/4	74	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 414872	Beat	G 424872	Bend	48x 72	119	62	43	76	6	13 3/4	5	74 3/4	86	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 414884	Beau	G 424884	Bequest	48x 84	139	64	50	89	7 1/4	15 3/4	6	86 3/4	100	8 1/4	1 1/2	3	17 1/2	4			
G 414896	Beauty	G 424896	Berry	48x 96	157	64	56	101	7 1/4	16	6	98 3/4	112	8 1/4	1 1/2	3	18 1/2	5			
G 415454	Beaver	G 425454	Berth	54x 54	91 1/4	68	34	57 1/4	5 1/2	12 1/2	5	56 1/2	68	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 416036	Because	G 426036	Beside	60x 36	63 1/2	74	25	38 1/2	5 1/2	12 1/2	5	50 1/2	62	6 1/2	1 1/2	21 1/2	21 1/2	1			
G 416048	Beckon	G 426048	Bestow	60x 48	82	74	31	51	6	12 1/2	5	60 1/2	74	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 416060	Become	G 426060	Bet	60x 60	100 1/2	74	37	63 1/2	6	13 3/4	5	62 3/4	74	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 416072	Bed	G 426072	Better	60x 72	119	74	43	76	6 1/2	13 3/4	5	74 3/4	86	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 416084	Befall	G 426084	Between	60x 84	139	76	50	89	6 1/2	15 3/4	6	86 3/4	100	8 1/4	1 1/2	3	17 1/2	4			
G 416096	Beef	G 426096	Beware	60x 96	157	76	56	101	7 1/4	16	6	98 3/4	112	8 1/4	1 1/2	3	18 1/2	5			
G 416666	Beer	G 426666	Beyond	66x 66	109 3/4	80	40	69 3/4	6 1/4	13 3/4	5	68 3/4	80	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 417248	Befriend	G 427248	Bias	72x 48	82	86	31	51	6	12 1/2	5	50 1/2	62	6 1/2	1 1/2	21 1/2	21 1/2	1			
G 417272	Beetle	G 427272	Bib	72x 72	119	86	43	76	6 1/2	13 3/4	5	74 3/4	86	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 417284	Before	G 427284	Bicker	72x 84	139	88	50	89	7 1/4	15 3/4	6	86 3/4	100	8 1/4	1 1/2	3	17 1/2	4			
G 417296	Beg	G 427296	Bid	72x 96	157	88	56	101	7 1/4	16	6	98 3/4	112	8 1/4	1 1/2	3	18 1/2	5			
G 417878	Beggar	G 427878	Bide	78x 78	129	92	46	83	6 1/2	13 3/4	5	80 3/4	88	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 418460	Begin	G 428460	Big	84x 60	100 1/2	98	37	63 1/2	6 1/2	13 3/4	6	62 3/4	74	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 418484	Behalf	G 428484	Bigot	84x 84	139	100	50	89	7 1/4	15 3/4	6	86 3/4	100	8 1/4	1 1/2	3	17 1/2	4			
G 418496	Behold	G 428496	Bile	84x 96	157	100	56	101	7 1/4	16	6	98 3/4	112	8 1/4	1 1/2	3	18 1/2	5			
G 419648	Belief	G 429648	Billion	96x 48	82	110	31	51	6 1/2	12 1/2	5	50 1/2	62	6 1/2	1 1/2	21 1/2	21 1/2	1			
G 419660	Bell	G 429660	Billow	96x 60	100 1/2	110	37	63 1/2	6 1/2	13 3/4	5	62 3/4	74	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 419672	Bellow	G 429672	Bind	96x 72	119	110	43	76	6 1/2	13 3/4	5	74 3/4	86	7 1/4	1 1/2	21 1/2	21 1/2	1			
G 419696	Belong	G 429696	Bird	96x 96	157	112	56	101	8	17	6	98 3/4	112	8 1/4	1 1/2	3	18 1/2	5			

"TESTITE" SERIES G63-G64 RECTANGULAR SLUICE GATES

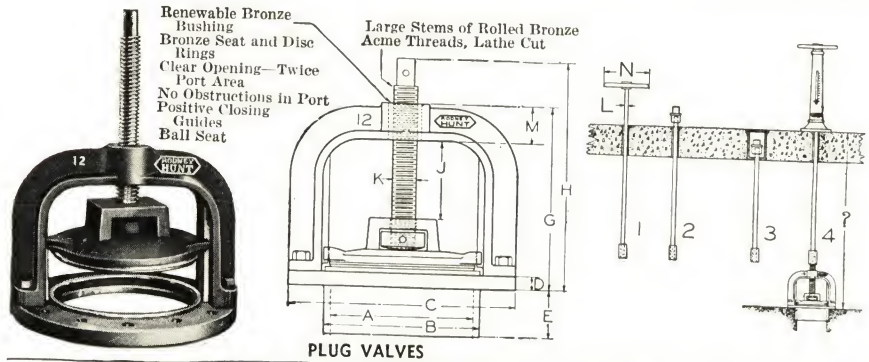
Flange frame		Flange and spigot frame		Gate size																	
No.	Code	No.	Code		A	B	C	D	F	G	H	J	K	L	M	N	P	R	S	T	
G632020	Cab	G642020	Camphor	20x20	37	30	15	22	8 5/8	13 1/4	4	21 1/2	27	8 5/8	1 1/4	13	0	2	0		
G632036	Cable	G642036	Canal	20x36	62	32	25	38 1/2	8 5/8	17 3/8	4	37 1/2	45	8 5/8	1 1/4	17 1/8	0	3	0		
G632424	Cackle	G642424	Cancel	24x24	42	34	17	26	8 5/8	13 1/4	4	25 1/2	31	8 5/8	1 1/4	13	0	2	0		
G632436	Cactus	G642436	Cancer	24x36	62	38	25	38 1/2	10 1/2	17 3/8	4	37 1/2	45	10 1/2	1 1/4	17 1/8	0	3	0		
G632448	Cad	G642448	Canker	24x48	82	38	31	51	10 1/2	17 3/8	5	49 1/2	57	10 1/2	1 1/4	17 1/8	0	3	0		
G632460	Caddy	G642460	Cannon	24x60	100 1/2	38	37	63 1/2	10 1/2	18 3/8	5	62	69	10 1/2	1 1/4	18 3/8	0	4	0		

PLUG OR MUD VALVES

Used for draining tanks, forebays, flumes, pressure boxes, etc. through a bottom opening. There are no recesses for mud or debris to collect and prevent tight closing.

The castings are of the best cast iron with an exceptional tensile strength. The disc is heavy and lugs on the sides engage loosely with guide ribs on yoke—assuring positive seating of the disc.

The easily renewable disc ring and seat ring are both of hard bronze, and are screwed in place. They are easily renewable. The seat ring projects only slightly above the flange, and allows complete drainage. Rolled bronze stems are of ample size, and have Acme threads, lathe cut. These stems work in a hard bronze bushing, which is screwed into the yoke, and can be renewed. Can be furnished with flange to attach to pipe, with a short spigot for concrete installations, or with long spigot for use with hub end pipe.



PLUG VALVES

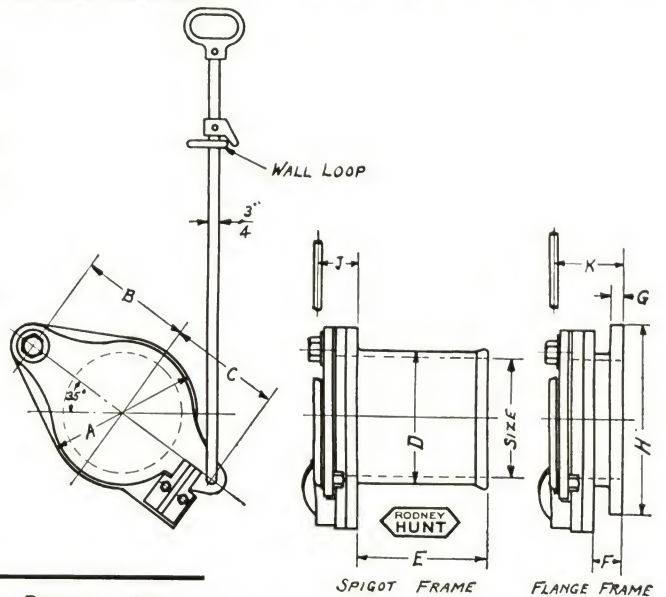
A Size	B	C	D	E	G	H	J	K	L	N	Thds.	Turns to open	List prices
4	5	9	3 1/4	3 1/2	10 3/8	12 1/2	2 1/2	1 1/8	1	9	4	10	\$ 44.00
6	7	11	3 1/2	3 3/4	11 1/2	13 1/2	3	1 1/2	1 1/8	12	4	12	56.00
8	9	13 1/2	3 3/4	4	11 3/4	14 3/4	4	1 3/4	1 1/4	14	3 1/2	14	70.00
10	11	16	4	4 1/2	12 5/8	15 3/8	5	1 5/8	1 3/4	16	3	17	88.00
12	13 1/8	19	4 1/2	5	13 1/2	18	6	1 3/4	1 3/4	18	3	18	108.00
14	15 1/4	21	5	6	15 1/2	20	7	1 3/4	1 3/4	20	3	21	130.00
16	17 1/2	23 1/2	5 1/2	6 1/2	17 1/2	22 1/2	8	2	1 3/4	22	3	24	155.00
18	19 1/2	25	6	7	20 7/8	25	9	2	1 3/4	24	3	27	180.00
20	21 1/2	27 1/2	6 1/2	7 1/2	22	26 1/2	10	2 1/4	1 3/4	30	3	30	210.00
24	26	32	7 1/2	8 1/2	23 1/4	27 3/4	12	2 3/4	1 3/4	30	3	36	300.00

FULL OPENING SHEAR GATES

"RODNEY HUNT" Shear Gates are full opening and are bronze mounted throughout. Both the frame and the disc have bronze rings and the disc also has a bronze pin with bronze bushing and a bronze stop.

SHEAR GATES

Size	A	B	C	D	E	F	G	H	J	K	List price
4	6 1/2	4 1/2	5 1/4	5	7	2 1/4	3 1/4	9	3	5 1/4	\$ 30.00
6	8 1/2	6 3/4	6 1/2	7	8	2 1/4	3 1/2	11	3	5 1/2	40.00
8	10 1/2	7 3/4	7 1/2	9	10	2 1/2	3 3/4	13 1/2	3 1/8	5 5/8	60.00
10	12 1/2	9 1/2	9 1/4	11	12	2 3/4	4	16	3 3/8	6 1/8	80.00
12	14 1/2	10 3/4	10 1/2	13 1/8	12	3	4 1/2	19	3 3/4	6 3/4	100.00
14	16 3/4	12	11 3/4	15 1/4	12	3 1/4	5 1/2	21	4	7 1/4	120.00
16	18 1/2	14 1/2	13 1/2	17 1/2	12	3 3/4	6 1/2	23 1/2	4 1/8	7 7/8	160.00
18	20 1/2	16 1/2	15 1/2	19 1/2	12	4	7 1/2	25	4 3/4	8 3/4	200.00
20	22 1/2	18 1/2	17 1/2	21 1/2	12	4 1/4	8 1/2	27 1/2	4 3/8	8 3/8	250.00
24	26 1/2	21 1/2	20 3/4	25 3/4	13	4 1/2	9 1/2	32	4 3/8	8 3/8	300.00

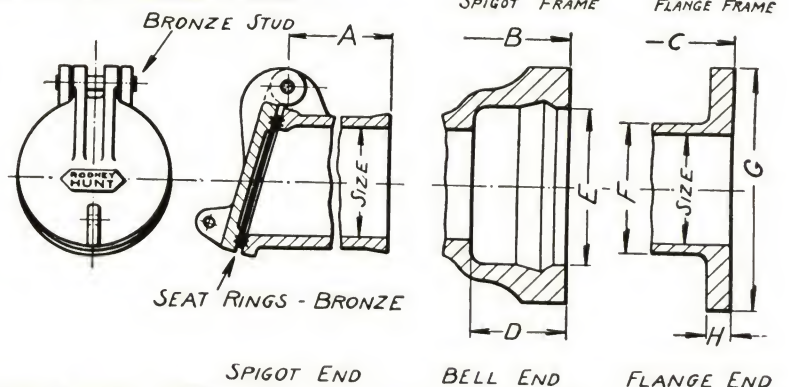


SPIGOT FRAME

FLANGE FRAME

"RODNEY HUNT" FLAP VALVES

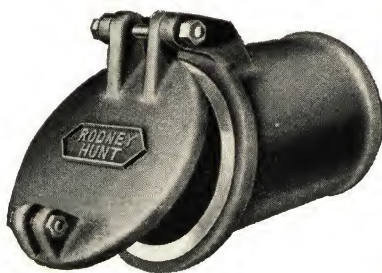
These flap valves are bronze mounted throughout, both frame and disc having bronze rings and the pin being also of bronze. They are simple in design, rugged and will give extraordinarily long service. They open easily under very slight difference in head. Standard sizes are carried in stock and special sizes can be built to specifications.



SPIGOT END

BELL END

FLANGE END



Size	A	B	C	D	E	F	G	H	List prices	
									Flgd.	Bell or Spigot
4	9 3/4	5 3/4	4	4	5.7	4 7/8	9	3/4	\$ 18.00	\$ 16.00
6	10	6	5	4	7.8	7	11	3/8	23.00	21.00
8	10 1/2	6 1/4	5 1/2	4	10.0	9	13 1/2	1	30.00	28.00
10	11	7	5 1/2	4	12.1	11	16	1	40.00	38.00
12	11 1/2	7 1/4	6 1/2	4	14.2	13	19	1	52.00	50.00
14	11 1/2	7 1/4	6 1/2	4	16.45	15 1/8	21	1	70.00	65.00
16	12	7 3/4	6 3/4	4	18.8	17 1/8	23 1/2	1 1/8	85.00	80.00
18	12	7 3/4	7 1/4	4	20.92	19 1/8	25	1 1/8	105.00	95.00
20	12 1/2	8 1/4	7 3/4	4	23.06	21 1/4	27 1/2	1 1/4	120.00	110.00
24	13	8 3/4	8 1/4	4	27.36	25 1/4	32	1 1/2	170.00	155.00
30	15	9 1/2	9 1/2	4	33.40	31 3/4	38 3/4	1 1/2	225.00	210.00

Dimensions in inches

RODNEY HUNT "HI-TEST" TURBINE WATER WHEELS

Since 1840

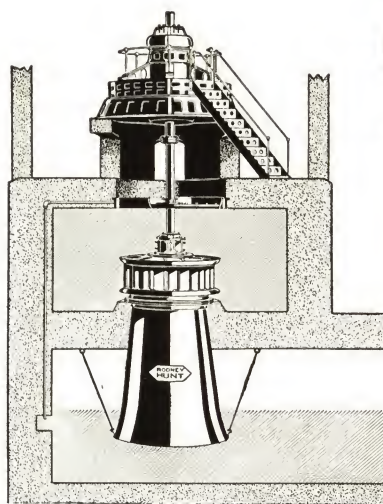
Over 70 years specializing equipment for Power Plants and Manufacturing Plants. Our staff of competent Hydraulic Engineers is at the service of our customers, and is in a position to offer valuable suggestions regarding application of our equipment to both usual and unusual conditions. We make special Vertical and Horizontal designs for Hydro-Electric and Direct Mill Drive. High and low speeds to suit heads up to 300 feet. Built for open, enclosed and spiral flumes. Also Water Turbine auxiliaries, including governors, shafting, pulleys, bulk heads and power transmitting equipment; bevel, cast and mortise gears.



Rodney Hunt Turbine Water Wheel
93.38% Efficiency

RODNEY HUNT OFFERS WATER POWER USERS THE FOLLOWING SERVICE:

- (1) High Efficiency Turbines.
- (2) Low Cost "change-overs."
- (3) Inspection Service.
- (4) Hydraulic Laboratory facilities.
- (5) Repair Parts under sprinkler protection for day and night service.
- (6) Experience of over 70 years specializing Water Wheels.



OFFICIAL HOLYOKE TEST—93.38% EFFICIENCY

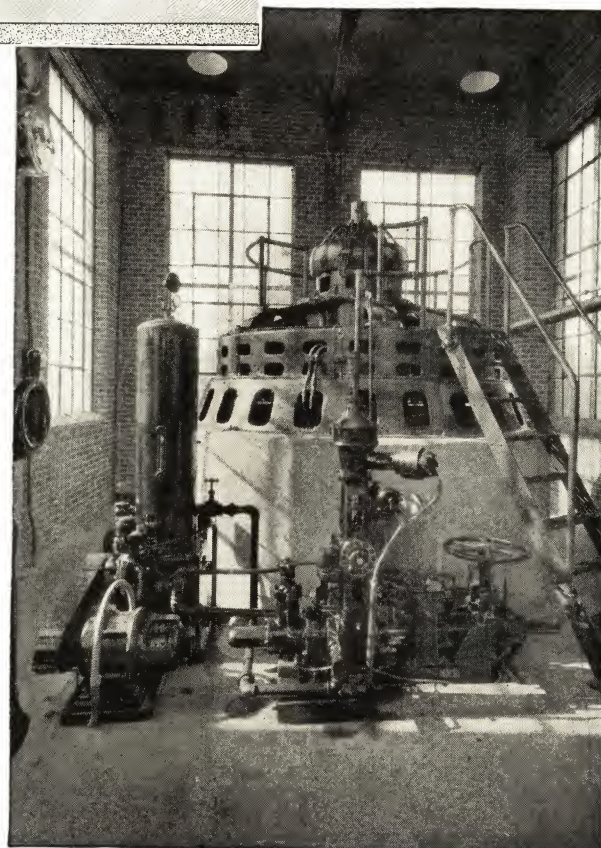
Unprecedented efficiency obtained on Rodney Hunt "Hi-Test" Turbine, May 13-14th, 1927—Test No. 3107.

Head (Feet)	Quantity of water C.F.S.	Hp. developed by turbine	Efficiency of wheel
16.25	100.46	172.43	93.17%
16.46	101.04	175.97	93.32%
16.27	100.11	172.44	93.38%
16.50	101.16	176.54	93.29%
16.32	100.57	173.10	93.02%

A large size Rodney Hunt "Hi-Test" Turbine of the above design would develop over 94.5% efficiency according to correction for difference in size.

Complete line of small wheels, including Brook Motors, Small Turbines, and Over-Shot Wheels. Correspondence solicited.

Interior of Generator Room,
E. E. Hilliard Co.'s Hydro-Station,
Buckland, Conn.
Rodney Hunt "Hi-Test" Turbine
Installation
C. T. MAIN, Inc., Engineers





PROMINENT INSTALLATIONS RODNEY HUNT WATER CONTROLLING APPARATUS

Filtration Plant—Indianapolis Water Co.

Todd's Shipyard—Robbins Dry Dock and Repair Co., Erie Basin, Brooklyn, N. Y.

Water Works—City of Nashville, Tenn.

Water Works—City of High Point, N. C.

Department of Public Works, City of Richmond, Va.

Echo Lake Dam—Newark, N. J.

Sewerage Treatment Plant, City of Norwalk, Ohio

Sewerage Disposal Plant, City of Coatesville, Pa.

Water Purification Plant—City of Ottawa, Canada

Ward's Island Sewerage Treatment Works—City of New York

Sewerage Disposal Plant—West Side Plants, City of Erie, Pa.

Sewerage Disposal Plant—City of Columbus, Ohio

Easterly Sewerage Treatment Plant—City of Cleveland, Ohio

Sewerage Treatment Plant, City of Akron, Ohio

Rapid Sand Filtration Plant, City of Lancaster, Pa.

Water Purification and Softening Plant, City of Findlay, Ohio

